

AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows, substituting any amended claim(s) for the corresponding pending claim(s):

- 1 1. (Original) A network connection system comprising:
2 a physical layer integrated circuit processing network data transmissions;
3 a transformer connected to the physical layer chip;
4 a network transmission medium interface directly connected to secondary windings of the
5 transformer; and
6 a first portion of a docking connector also directly connected to the secondary windings.

- 1 2. (Original) The network connection system according to claim 1, wherein the first portion
2 of the docking connector is connected to signal traces between the transformer and the network
3 transmission medium interface.

1 3. (Currently Amended) The network connection system according to claim 1, wherein the
2 physical layer integrated circuit selectively provides one or more of a 10/100/1000BT connection
3 to an Ethernet network.

1 4. (Original) The network connection system according to claim 1, wherein the network
2 transmission medium interface is a first network transmission medium interface and wherein a
3 second portion of the docking connector is coupled to a second network transmission medium
4 interface.

1 5. (Original) The network connection system according to claim 4, wherein the first and second
2 network transmission medium interfaces are RJ-45 connectors.

1 6. (Original) The network connection system according to claim 4, wherein the first network
2 transmission medium interface and the first portion of the docking connector are disposed within a
3 mobile computer and the second network transmission medium interface and the second portion of
4 the docking connector are disposed within a docking station selectively receiving the mobile
5 computer.

1 7. (Original) A mobile computer system including the network connection system according
2 to claim 6, the mobile computer system further comprising:

3 a processor within the mobile computer coupled by one or more interface devices to the
4 physical layer integrated circuit; and

5 connections within the docking station for one or more peripherals including a monitor, a
6 keyboard or a mouse.

1 8. (Original) A mobile computer including the network connection system according to claim
2 1, the mobile computer further comprising:

3 a processor coupled by one or more interface devices to the physical layer integrated circuit.

1 9. (Original) A method of providing a network connection comprising:

2 processing network data transmissions within a physical layer integrated circuit connected
3 to a transformer, wherein a network transmission medium interface and a first portion of a docking
4 connector are directly connected to secondary windings of the transformer.

1 10. (Original) The method according to claim 9, further comprising:

2 driving signals on signal traces between the transformer and the network transmission
3 medium interface, wherein the first portion of the docking connector is connected to the signal
4 traces.

1 11. (Currently Amended) The method according to claim 9, further comprising:

2 selectively providing one or more of a 10/100/1000BT connection to an Ethernet network
3 in the physical layer integrated circuit.

1 12. (Original) The method according to claim 9, further comprising:

2 connecting the first portion of the docking connector to a second portion of the docking
3 connector, wherein the network transmission medium interface is a first network transmission
4 medium interface and wherein the second portion of the docking connector is coupled to a second
5 network transmission medium interface.

1 13. (Original) The method according to claim 12, wherein the first and second network
2 transmission medium interfaces are RJ-45 connectors.

1 14. (Original) The method according to claim 12, wherein the first network transmission
2 medium interface and the first portion of the docking connector are disposed within a mobile
3 computer and the second network transmission medium interface and the second portion of the
4 docking connector are disposed within a docking station selectively receiving the mobile computer.

1 15. (Original) The method according to claim 9, further comprising:
2 checking for concurrent connection of the network transmission medium interface to a
3 network transmission medium and coupling of the first portion of the docking connector to a network
4 transmission medium; and
5 responsive to detecting both connection of the network transmission medium interface to a
6 network transmission medium and coupling of the first portion of the docking connector to a network
7 transmission medium, issuing an alert.

1 16. (Original) A network connection system comprising:

2 a docking connector having first and second portions configured to be selectively engaged
3 to provide an electrical connection;

4 first and second network connection interfaces, wherein the second network connection
5 interface is coupled to the second portion of the docking connector; and

6 a transformer connected to a network physical layer chip, wherein secondary windings of the
7 transformer are connected directly connected to the first network connection interface and the first
8 portion of the docking connector.

1 17. (Original) The network connection system according to claim 16, further comprising:

2 impedance compensation within the connection between the second portion of the docking
3 connector and the second network connection interface.

1 18. (Currently Amended) The network connection system according to claim 17, wherein the
2 network physical layer integrated circuit selectively provides one or more of a 10/100/1000BT
3 connection to an Ethernet network.

1 19. (Original) The network connection system according to claim 18, wherein the first and
2 second network connection interfaces are RJ-45 connectors.

1 20. (Original) The network connection system according to claim 19, wherein the first network
2 connection interface, the first portion of the docking connector, the transformer, and the network
3 physical layer integrated circuit are disposed within a mobile computer, and wherein the second
4 network connection interface and the second portion of the docking connector are disposed within
5 a docking station.